



Inventor: STÄNDKER et al.
Serial No.: 09/509,559
Filing Date: November 27, 2000
Atty. Dkt. No.: P65315US0
Recorded: March 8, 2002
Operating Systems: MS-Windows

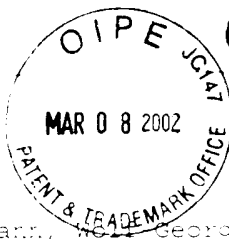
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110 Forssmann, Georg

120 Cadherin derived growth factor and its use

130 P65315US0

140 02/509,559

141 2000 11-17

150 DE 19745284.1

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151 1998-03-15

160 14

170 PatentIn. Ver. 2.1

210 1

211 123

212 PRT

213 Homo sapiens

400 1

Cys His Pro Gly Phe Asp Ala Glu Ser Tyr Thr Phe Thr Val Pro Arg
1 5 10 15

Arg His Leu Glu Arg Gly Arg Val Leu Gly Arg Val Asn Phe Cys Thr
20 25 30

Gly Arg Gln Arg Thr Ala Tyr Phe Ser Leu Asp Thr Arg Phe Lys Val
35 40 45

Gly Thr Asp Gly Val Ile Thr Val Lys Arg Pro Leu Arg Phe His Asn
50 55 60

Pro Gln Ile His Phe Leu Val Tyr Ala Trp Asp Ser Thr Tyr Arg Lys
65 70 75 80

Phe Ser Thr Lys Val Thr Leu Asn Gly His His His Arg Pro Pro Pro
85 90 95

His Gln Ala Ser Val Ser Gly Ile Gln Ala Glu Leu Leu Thr Phe Pro
100 105 110

Asn Ser Ser Pro Gly Leu Arg Arg Gln Lys Arg
115 120

210 2

211 132

212 PRT

213 Homo sapiens

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<400> 2

Glu Ala Ser Gly Glu Ile Ala Leu Cys Lys Thr Gly Phe Pro Glu Asp
1 5 10 15

Val Tyr Ser Ala Val Leu Ser Lys Asp Val His Glu Gly Gln Pro Leu
20 25 30

Leu Asn Val Phe Ser Asn Cys Asn Gly Lys Arg Lys Val Gln Tyr Glu
35 40 45

Ser Ser Glu Pro Ala Asp Phe Lys Val Asp Glu Asp Gly Met Val Tyr
50 55 60

Ala Val Arg Ser Phe Pro Leu Ser Ser Glu His Ala Lys Phe Leu Ile
65 70 75 80

Tyr Ala Gln Asp Lys Glu Thr Gln Glu Lys Trp Gln Lys Leu Ser Leu
85 90 95

Lys Pro Thr Leu Thr Glu Glu Ser Val Lys Glu Ser Ala Glu Val Glu
100 105 110

Glu Ile Val Phe Pro Arg Gln Phe Ser Lys His Ser Gly His Leu Gln
115 120 125

Arg Gln Lys Arg
130

<210> 3

<211> 78

<212> PRT

<213> Homo sapiens

<400> 3

Cys Arg Ala Val Phe Arg Glu Ala Glu Val Thr Leu Glu Ala Gly Gly
1 5 10 15

Ala Glu Gln Glu Pro Gly Gln Ala Leu Gly Lys Val Phe Met Gly Gln
20 25 30

Glu Pro Ala Leu Phe Ser Thr Asp Asn Asp Asp Phe Thr Val Arg Asn
35 40 45

Gly Glu Thr Val Gln Glu Arg Arg Ser Leu Lys Glu Arg Asn Pro Leu
50 55 60

Lys Ile Phe Pro Ser Lys Arg Ile Leu Arg Arg His Lys Arg
65 70 75

<210> 4

<211> 144

<212> PRT

<213> Homo sapiens

<400> 4

His Asn Glu Asp Leu Thr Thr Arg Glu Thr Cys Lys Ala Gly Phe Ser
 1 5 10 15
 Glu Asp Asp Tyr Thr Ala Leu Ile Ser Gln Asn Ile Leu Glu Gly Glu
 20 25 30
 Lys Leu Leu Gln Val Lys Ser Ser Cys Val Gly Thr Lys Gly Thr Gln
 35 40 45
 Tyr Glu Thr Asn Ser Met Asp Phe Lys Gly Ala Asp Gly Thr Val Phe
 50 55 60
 Ala Thr Arg Glu Leu Gln Val Pro Ser Glu Gln Val Ala Phe Thr Val
 65 70 75 80
 Thr Ala Trp Asp Ser Gln Thr Ala Glu Lys Trp Asp Ala Val Leu Val
 85 90 95
 Ala Gln Thr Ser Ser Pro His Ser Gly His Lys Pro Gln Lys Gly Lys
 100 105 110
 Lys Val Val Ala Leu Asp Pro Ser Pro Pro Pro Lys Asp Thr Leu Leu
 115 120 125
 Pro Trp Pro Gln His Gln Asn Ala Asn Gly Leu Arg Arg Arg Lys Arg
 130 135 140

<210> 5
 <211> 22
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 <213> Homo sapiens

<400> 5
 Ala Gly Ala Asn Pro Ala Gln Arg Asp Thr His Ser Leu Leu Pro Thr
 1 5 10 15

His Arg Arg Gln Lys Arg
 20

<210> 6
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 6
 Thr Leu Ser Thr Pro Leu Ser Lys Arg Thr Ser Gly Phe Pro Ala Lys
 1 5 10 15

Lys Ala Ala Leu Glu Leu Ser Gly Asn Ser Lys Asn Glu Leu Asn Arg
 20 25 30

Ser Lys Arg

35

<211> 7
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 7
 Thr Leu Ser Thr Pro Leu Ser Lys Arg Thr Ser Gly Phe Pro Ala Lys
 1 5 10 15

Lys Arg Ala Leu Glu Leu Ser Gly Asn Ser Lys Asn Glu Leu Asn Arg
 20 25 30

Ser

<210> 8
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 8
 Met Leu Leu Asp Leu Trp Thr Pro Leu Ile Ile Leu Trp Ile Thr Leu
 1 5 10 15

Pro Pro Cys Ile Tyr Met Ala Pro Met Asn Gln Ser Gln Val Leu Met
 20 25 30

Ser Gly Ser Pro Leu Glu Leu Asn Ser Leu Gly Glu Glu Gln Arg Ile
 35 40 45

Leu Asn Arg Ser Lys Arg
 50

<210> 9
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 9
 Phe Ala Pro Glu Arg Arg Gly His Leu Arg Pro Ser Phe His Gly His
 1 5 10 15

His Glu Lys Gly Lys Glu Gly Gln Val Leu Gln Arg Ser Lys Arg
 20 25 30

<210> 11
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 11

Glu Arg Arg Gly His Leu Arg Pro Ser Phe His Gly His His Glu Lys
 1 5 10 15

Gly Lys Glu Gly Gln Val Leu Gln Arg Ser
 20 25

<210> 11
 <211> 31
 <212> PPT
 <213> Homo sapiens

<400> 11
 Gln Pro Gln Pro Gln Gln Thr Leu Ala Thr Glu Pro Arg Glu Asn Val
 1 5 10 15

Ile His Leu Pro Gly Gln Arg Ser His Phe Gln Arg Val Lys Arg
 20 25 30

<210> 12
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 12
 Gln Pro Gln Pro Gln Gln Thr Leu Ala Thr Glu Pro Arg Glu Asn Val
 1 5 10 15

Ile His Leu Pro Gly Gln Arg Ser His Phe Gln Arg Val
 20 25

<210> 13
 <211> 129
 <212> PRT
 <213> Homo sapiens

<400> 13
 Glu Asp Leu Asp Cys Thr Pro Gly Phe Gln Gln Lys Val Phe His Ile
 1 5 10 15

Asn Gln Pro Ala Glu Phe Ile Glu Asp Gln Ser Ile Leu Asn Leu Thr
 20 25 30

Phe Ser Asp Cys Lys Gly Asn Asp Lys Leu Arg Tyr Glu Val Ser Ser
 35 40 45

Pro Tyr Phe Lys Val Asn Ser Asp Gly Gly Leu Val Ala Leu Arg Asn
 50 55 60

Ile Thr Ala Val Gly Lys Thr Leu Phe Val His Ala Arg Thr Pro His
 65 70 75 80

Ala Glu Phe Asp Met Ala Gln Leu Val Ile Val Gly Gly Lys Asp Ile
 85 90 95

Ser Leu Gln Asp Ile Phe Lys Phe Ala Arg Thr Ser Pro Val Pro Arg
 100 105 110

Gln Lys Arg Pro Ser Val Leu Leu Leu Ser Leu Phe Ser Leu Ala Cys
 115 120 125

Leu

<210> 14

<211> 39

<212> PRT

<213> Homo sapiens

<400> 14

Val Pro Gly Trp Arg Arg Pro Thr Thr Leu Tyr Pro Trp Arg Arg Ala
 1 5 10 15

Pro Ala Leu Ser Arg Val Arg Arg Ala Trp Val Ile Pro Pro Ile Ser
 20 25 30

Val Ser Glu Asn His Lys Arg
 35